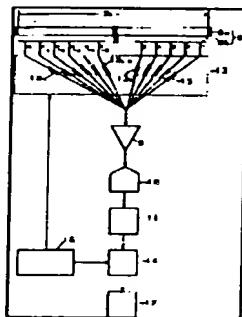


IMAGES DATABASE : DERWENT  
 COPYRIGHT DERWENT 1999  
 IMAGE KEY : 00-229565



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6/12 - (C) Derwent

Accession Nbr - 2000-229565 [20]

Sec. Acc. Non-CPI- N2000-172773

Title - **\*\*Time\*\* of \*\*flight\*\* \*\*mass\*\***  
**\*\*spectrometer\*\***, includes calculator which  
 calculates interactive relationship between PN  
 sequence and digitized and delays spectrum  
 output from **\*\*ion\*\*** detector

Derwent Classes - **\*\*S03\*\* V05**

Patent Assignee - (NIDS ) JEOL CO LTD

Nbr of Patents - 1

Nbr of Countries - 1

Patent Number - JP2000048764 A 20000218 DW2000-20 H01J-049/40  
 7p \*

AP: 1998JP-0209679 19980724

- 1998JP-0209679 19980724

IPC s - G01N-027/62 **\*\*H01J-049/40\*\***

- JP2000048764 A

KWD  
**NOVELTY** - A PN sequence generator (15)  
 generator a false random pulse train in fixed  
 cycle. Based on the PN sequence, the spectrum

Time

mass

Spectrum

Sequence  
generates  
pulse

from the \*\*ion\*\* detector (8) is delayed. The spectrum current is converted into a voltage in a pre-amplifier (9). A calculator (14) calculates interactive relationship between PN sequence and digitized output of preamplifier.

- USE - Flight \*\*mass\*\* \*\*spectrometer\*\* for sample analysis.
- ADVANTAGE - Enlarges dynamic range of high speed detection. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of flight \*\*mass\*\* \*\*spectrometer\*\*. (8) \*\*Ion\*\* detector; (9) Pre-amplifier; (14) Calculator; (15) PN sequence generator. (Dwg.1/3)
- EPI: S03-E10
- 2000-20

Manual Codes  
Update Basic